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P#17



1600

RAW SEQUENCE LISTING

DATE: 06/03/2002

PATENT APPLICATION: US/09/560,494B

TIME: 12:37:00

Input Set : A:\102286-413.ST25.txt

Output Set: N:\CRF3\06032002\I560494B.raw

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5 <110> APPLICANT: Jakobsen, Brent Karsten
6     Gao, George Fu
7     Gerth, Ulrich Conrad
8     Sewell, Andrew Kelvin
10 <120> TITLE OF INVENTION: CD8 AS AN INHIBITOR OF THE CELLULAR IMMUNE SYSTEM
12 <130> FILE REFERENCE: 102286.413
14 <140> CURRENT APPLICATION NUMBER: US 09/560,494B
15 <141> CURRENT FILING DATE: 2000-04-28
17 <150> PRIOR APPLICATION NUMBER: PCT/GB98/03235
18 <151> PRIOR FILING DATE: 1998-10-28
20 <150> PRIOR APPLICATION NUMBER: GB 9722779.7
21 <151> PRIOR FILING DATE: 1997-10-28
23 <160> NUMBER OF SEQ ID NOS: 28
25 <170> SOFTWARE: PatentIn version 3.1
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30 <213> ORGANISM: Artificial Sequence
32 <220> FEATURE:
33 <223> OTHER INFORMATION: Synthetic DNA primer
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41 <213> ORGANISM: Artificial Sequence
43 <220> FEATURE:
44 <223> OTHER INFORMATION: Synthetic DNA primer
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50 <211> LENGTH: 42
51 <212> TYPE: DNA
52 <213> ORGANISM: Artificial Sequence
54 <220> FEATURE:
55 <223> OTHER INFORMATION: Synthetic DNA primer
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62 <212> TYPE: DNA
63 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:

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76 <220> FEATURE:
77 <223> OTHER INFORMATION: Synthetic DNA primer
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84 <211> LENGTH: 59
85 <212> TYPE: DNA
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88 <220> FEATURE:
89 <223> OTHER INFORMATION: Synthetic DNA primer
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95 <211> LENGTH: 60
96 <212> TYPE: DNA
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100 <223> OTHER INFORMATION: Synthetic DNA primer
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106 <210> SEQ ID NO: 8
107 <211> LENGTH: 42
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Synthetic DNA primer
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118 <211> LENGTH: 42
119 <212> TYPE: DNA
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130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
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134 <223> OTHER INFORMATION: Synthetic DNA primer

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153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: HLA-A2 Pol-restricted CTL line specific peptide
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159 Ile Leu Lys Glu Pro Val His Gly Val
160 1 5
163 <210> SEQ ID NO: 13
164 <211> LENGTH: 9
165 <212> TYPE: PRT
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: HLA-A2 Pol-restricted CTL line specific peptide
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176 <210> SEQ ID NO: 14
177 <211> LENGTH: 9
178 <212> TYPE: PRT
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: HLA-A2 Pol-restricted CTL line specific peptide
184 <400> SEQUENCE: 14
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194 <220> FEATURE:
195 <223> OTHER INFORMATION: Synthetic DNA primer
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200 <210> SEQ ID NO: 16
201 <211> LENGTH: 42
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203 <213> ORGANISM: Artificial Sequence

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205 <220> FEATURE:
206 <223> OTHER INFORMATION: Synthetic DNA primer
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217 <223> OTHER INFORMATION: Synthetic DNA primer
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220 gggggaagct taatgccatt cgattttctg agcttcaaaa atatcggtca gaccaccacc 60
221 ggatcctggc gtcgtggtgg gcttcgctgg caggaagac 99
223 <210> SEQ ID NO: 18
224 <211> LENGTH: 18
225 <212> TYPE: PRT
226 <213> ORGANISM: Artificial Sequence
228 <220> FEATURE:
229 <223> OTHER INFORMATION: CD8 alpha polypeptide
231 <400> SEQUENCE: 18
232 Gly Ser Gly Gly Gly Leu Asn Asp Ile Phe Glu Ala Gln Lys Ile Glu
233 1 5 10 15
234 Trp His
238 <210> SEQ ID NO: 19
239 <211> LENGTH: 63
240 <212> TYPE: DNA
241 <213> ORGANISM: Artificial Sequence
243 <220> FEATURE:
244 <223> OTHER INFORMATION: Synthetic DNA primer
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248 gcc 63
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252 <212> TYPE: DNA
253 <213> ORGANISM: Artificial Sequence
255 <220> FEATURE:
256 <223> OTHER INFORMATION: synthetic DNA primer
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261 <210> SEQ ID NO: 21
262 <211> LENGTH: 9
263 <212> TYPE: PRT
264 <213> ORGANISM: Artificial Sequence
266 <220> FEATURE:
267 <223> OTHER INFORMATION: HLA-A2-flu
269 <400> SEQUENCE: 21
270 Gly Ile Leu Gly Phe Val Phe Thr Leu
271 1 5

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Input Set : A:\102286-413.ST25.txt

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274 <210> SEQ ID NO: 22
 275 <211> LENGTH: 9
 276 <212> TYPE: PRT
 277 <213> ORGANISM: Artificial Sequence
 279 <220> FEATURE:
 280 <223> OTHER INFORMATION: peptide epitope
 282 <400> SEQUENCE: 22
 283 Lys Ala Val Tyr Asn Phe Ala Thr Cys

284 1 5

287 <210> SEQ ID NO: 23

288 <211> LENGTH: 366

289 <212> TYPE: DNA

290 <213> ORGANISM: Artificial Sequence

292 <220> FEATURE:

293 <223> OTHER INFORMATION: synthetic DNA construct encoding part of the
 294 extracellular domain of human CD8 alpha

W--> 296 <221> NAME/KEY: CDS

297 <222> LOCATION: (1)...(366)

W--> 299 <400> 23

300 atg agt caa ttt cgt gta tca ccg ctg gat cgg acc tgg aac ctg ggc 48
 301 Met Ser Gln Phe Arg Val Ser Pro Leu Asp Arg Thr Trp Asn Leu Gly
 302 1 5 10 15
 304 gag aca gtg gag ctg aag tgc cag gtg ctg ctg tcc aac ccg acg tcg 96
 305 Glu Thr Val Glu Leu Lys Cys Gln Val Leu Leu Ser Asn Pro Thr Ser
 306 20 25 30
 308 ggc tgc tcg tgg ctg ctc ttc cag ccg cgc ggc gcc gcc gcc agt ccc acc 144
 309 Gly Cys Ser Trp Leu Phe Gln Pro Arg Gly Ala Ala Ala Ser Pro Thr
 310 35 40 45
 312 ttc ctc cta tac ctc tcc caa aac aag ccc aag gcg gcc gag ggg ctg 192
 313 Phe Leu Leu Tyr Leu Ser Gln Asn Lys Pro Lys Ala Ala Glu Gly Leu
 314 50 55 60
 316 gac acc cag cgg ttc tcg ggc aag agg ttg ggg gac acc ttc gtc ctc 240
 317 Asp Thr Gln Arg Phe Ser Gly Lys Arg Leu Gly Asp Thr Phe Val Leu
 318 65 70 75 80
 320 acc ctg agc gac ttc cgc cga gag aac gag ggc tac tat ttc tgc tcg 288
 321 Thr Leu Ser Asp Phe Arg Arg Glu Asn Glu Gly Tyr Tyr Phe Cys Ser
 322 85 90 95
 324 gcc ctg agc aac tcc atc atg tac ttc agc cac ttc gtg ccg gtc ttc 336
 325 Ala Leu Ser Asn Ser Ile Met Tyr Phe Ser His Phe Val Pro Val Phe
 326 100 105 110
 328 ctg cca gcg aag ccc acc acg acg cca tag 366
 329 Leu Pro Ala Lys Pro Thr Thr Pro *
 330 115 120

333 <210> SEQ ID NO: 24

334 <211> LENGTH: 121

335 <212> TYPE: PRT

336 <213> ORGANISM: Artificial Sequence

338 <220> FEATURE:

339 <223> OTHER INFORMATION: an amino acid construct encoding part of the

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/560,494B

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TIME: 12:37:01

Input Set : A:\102286-413.ST25.txt

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L:373 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:25